

What is claimed is:

1. A pipe liner bag everting nozzle comprising:  
a guide tube fixing end for fixing one end of a guide tube;  
and  
a pipe liner bag fixing end for fixing a folded end of an uneverted pipe liner bag passed through said guide tube, wherein said guide tube fixing end has a diameter smaller than a diameter of said pipe liner bag fixing end.
2. A pipe liner bag everting nozzle according to claim 1, further comprising a reducer interposed between said guide tube fixing end and said pipe liner bag fixing end for coupling said guide tube fixing end to said pipe liner bag fixing end.
3. A pipe liner bag everting nozzle according to claim 1 or 2, further comprising a drain port for communicating an interior of said pipe liner bag everting nozzle with the outside, said drain port having an internal opening, a flexible heat-resistant hose being attached to said internal opening, said flexible heat-resistant hose extending to the outside from said pipe liner bag fixing end.
4. A pipe liner bag everting nozzle comprising:  
a guide tube fixing nozzle for fixing one end of a guide tube;  
a pipe liner bag fixing nozzle for fixing a folded end of an uneverted pipe liner bag passed through said guide tube; and  
a closer plate for coupling said guide tube fixing nozzle

to said pipe liner bag fixing nozzle in an air tight structure,  
wherein said guide tube fixing nozzle has a diameter  
smaller than a diameter of said pipe liner bag fixing nozzle.

5. A pipe liner bag evertng nozzle according to claim 4,  
wherein said closer plate includes a compressed air supply port.

6. A pipe liner bag evertng nozzle according to claim 4,  
wherein said closer plate or said pipe liner bag fixing nozzle  
includes a drain port.

7. A method of lining a pipe using a pipe liner bag evertng  
nozzle, said pipe liner bag evertng nozzle comprising a guide tube  
fixing end for fixing one end of a guide tube, and a pipe liner bag  
fixing end for fixing a folded end of an uneverted pipe liner bag  
passed through said guide tube, wherein said guide tube fixing end  
has a diameter smaller than a diameter of said pipe liner bag fixing  
end, said method comprising the steps of:

installing said pipe liner bag evertng nozzle such that  
said pipe liner bag fixing end opposes an opening of a pipe line to  
be lined;

drawing a guide tube fixed to said guide tube fixing end  
of said pipe liner bag evertng nozzle substantially vertically to  
the ground;

evertng a pipe liner bag fixed to said pipe liner bag  
fixing end with a fluid pressure into said pipe line; and

hardening a hardenable resin impregnated in said pipe  
liner bag with said pipe liner bag being pressed onto an inner wall

of said pipe line.

8. A method of lining a pipe using a pipe liner bag everting nozzle, said pipe liner bag everting nozzle comprising a guide tube fixing nozzle for fixing one end of a guide tube, a pipe liner bag fixing nozzle for fixing a folded end of an uneverted pipe liner bag passed through said guide tube, and a closer plate for coupling said guide tube fixing nozzle to said pipe liner bag fixing nozzle in an air tight structure, wherein said guide tube fixing nozzle has a diameter smaller than a diameter of said pipe liner bag fixing nozzle, said method comprising the steps of:

installing said pipe liner bag everting nozzle such that said pipe liner bag fixing nozzle opposes an opening of a pipe line to be lined;

drawing a guide tube fixed to said guide tube fixing nozzle of said pipe liner bag everting nozzle substantially vertically to the ground;

everting a pipe liner bag fixed to said pipe liner bag fixing nozzle with a fluid pressure into said pipe line; and

hardening a hardenable resin impregnated in said pipe liner bag with said pipe liner bag being pressed onto an inner wall of said pipe line.